

PATENTS  
Attorney Docket No. XOM-CON1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Not yet assigned  
Group Art Unit : Not yet assigned  
Applicants : Hans Thomann et al.  
Application No. : Not yet assigned Confirmation No.: Not yet assigned  
Filed : Concurrently herewith  
For : METHOD FOR BOREHOLE MEASUREMENT OF  
FORMATION PROPERTIES

New York, New York  
September 18, 2003

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**LETTER CONCERNING ASSIGNMENT, PHOTOCOPY  
OF DECLARATION, AND SUBSTITUTE DECLARATION**


Sir:

The instant patent application is a continuation of prior U.S. Application No. 09/973,529, filed October 9, 2001, and is being filed along with a photocopy of the Declaration and Power Of Attorney For Patent Application originally filed in U.S. Application No. 09/973,529. Applicants request that the assignment of record for U.S. Application No. 09/973,529 be retained for the instant application. Applicants note, however, that, because of a clerical error, the original Declaration (and thus the photocopy) incorrectly identifies prior U.S. Application No. 09/686,735, the benefit of which applicants claim under Title 35, United States Code, § 120, as a priority application under Title 35, United States

Code, § 119(e). Accordingly, applicants enclose herewith a newly executed substitute Declaration and Power of Attorney that shows that applicants claim the benefit under Title 35, United States Code, § 120 of U.S. Application Nos. 09/686,735 and 09/973,529.

The Director is authorized to charge any additional fees that may be due in connection with this Communication to Deposit Account No. 06-1075. A duplicate copy of this Communication is enclosed herewith.

Respectfully submitted,



Eric C. Woglom, Registration No. 25,445  
Thomas J. Vetter, Registration No. 30,597  
James P. Doyle, Registration No. 41,717  
Attorneys for Applicant

Edward M. Arons, Registration No. 44,511  
Agent for Applicants

FISH & NEAVE  
Customer No. 1473  
1251 Avenue of the Americas  
New York, New York 10020  
Phone: 212.596.9000  
Fax: 212.596.9090

September 18, 2003

Docket No.  
PM 2000.010

# Declaration and Power of Attorney For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHOD FOR BOREHOLE MEASUREMENT OF FORMATION PROPERTIES**

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on 10/09/01 as United States Application No. or PCT International  
Application Number 09/973,529  
and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

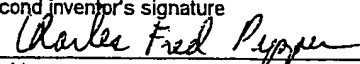
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Keith A. Bell, Reg. No. 30,023  
 Marcy M. Hoefling, Reg. No. 33,955  
 Nelson V. Jaramillo, Reg. No. 44,169  
 Gary P. Katz, Reg. No. 46,099  
 Stephen P. Koch, Reg. No. 37,660  
 Gary D. Lawson, Reg. No. 27,696  
 J. Paul Plummer, Reg. No. 40,775  
 Charles R. Schweppe, Reg. No. 38,612  
 Pamela L. Wilson, Reg. No. 32,865  
 Denise Y. Wolfs, Reg. No. 32,074  
 Phillip G. Woo, Reg. No. 45,234

Send Correspondence to: Stephen P. Koch  
 ExxonMobil Upstream Research Company  
 P. O. Box 2189  
 Houston, Texas 77252-2189

Direct Telephone Calls to: *(name and telephone number)*  
 Stephen P. Koch (713) 431-7994

Full name of sole or first inventor <b>Hans Thomann</b>	
Sole or first inventor's signature 	Date <i>Jan 3, 2002</i>
Residence 26 Gatehouse Road, Bedminster, New Jersey 07921	
Citizenship USA	
Post Office Address 26 Gatehouse Road, Bedminster, New Jersey 07921	

Full name of second inventor, if any <b>Charles Fred Pepper</b>	
Second inventor's signature 	Date <i>Jan. 22, 2002</i>
Residence 3912 Estes Road, Nashville, Tennessee 37215	
Citizenship USA	
Post Office Address 3912 Estes Road, Nashville, Tennessee 37215	

Full name of third inventor, if any <b>Stuart Ronald Keller</b>	<i>Stuart Ronald Keller</i>	<i>Jan. 30, 2002</i>
Third inventor's signature		Date
Residence <b>5123 Indigo Street, Houston, Texas 77096</b>		
Citizenship <b>USA</b>		
Post Office Address <b>5123 Indigo Street, Houston, Texas 77096</b>		

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Docket No. XOM-CON1DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR BOREHOLE MEASUREMENT OF FORMATION PROPERTIES

the specification of which

(check one) ☒ is attached hereto;  
was filed on \_\_\_\_\_ as  
Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_;  
(if applicable)

I have reviewed and do understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application;

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application; and

I acknowledge the duty to disclose information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a-d) of any foreign application(s) for patent or inventor's certificate or design registration listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			Priority Claimed	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of the claim of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to

## Docket No. XOM-CON1

disclose information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which occurred between the filing date of the prior application and the filing date of this application:

<u>09/686,735</u> (Application No.)	<u>October 10, 2000</u> (Filing Date)	<u>Abandoned</u> (Status: Patented/Pending/Abandoned)
<u>09/973,529</u> (Application No.)	<u>October 9, 2001</u> (Filing Date)	<u>Pending</u> (Status: Patented/Pending/Abandoned)
<u>                    </u> (Application No.)	<u>                    </u> (Filing Date)	<u>                    </u> (Status: Patented/Pending/Abandoned)

As a named inventor, I hereby appoint the following attorneys/agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Charles E. Smith, Esq., Reg. No. 32,085, Marcy M. Hoefling, Esq., Reg. No. 33,955,  
Gary P. Katz, Esq., Reg. No. 46,099, Gary D. Lawson, Esq., Reg. No. 27,696, J. Paul Plummer,  
Esq., Reg. No. 40,775, Pamela L. Wilson, Esq., Reg. No. 32,865, Denise Y. Wolfe, Esq., Reg.  
No. 32,074, Eric C. Woglom, Esq., Reg. No. 25,445, Margaret A. Pierri, Esq., Reg. No. 30,709,  
Jeffrey H. Ingberman, Esq., Reg. 31,059, Thomas J. Vetter, Esq., Reg. No. 30,597,  
James P. Doyle, Esq., Reg. No. 41,717 and Edward M. Arons, Reg. No. 44,511

Send Correspondence to: Eric C. Woglom  
Fish & Neave  
Customer No. 1473  
1251 Avenue of the Americas  
New York, New York 10020-1105

Direct telephone calls to: Eric C. Woglom  
(212) 596-9000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any design patent issuing thereon.

FIRST INVENTOR	Signature <u>Hans Thomann</u>	
Full Name of Inventor Hans Thomann		Date 9/16/03
Residence Bedminster, New Jersey		Citizenship U.S.A.
Post Office Address 26 Gatehouse Road, Bedminster, New Jersey 07921		

SECOND INVENTOR	Signature	
Full Name of Inventor Charles Fred Pepper		Date
Residence Nashville, Tennessee		Citizenship U.S.A.
Post Office Address 3912 Estes Road, Nashville, Tennessee 37215		



Docket No. XOM-CON1

THIRD INVENTOR	Signature	
Full Name of Inventor Stuart Ronald Keller		Date
Residence Houston, Texas		Citizenship U.S.A.
Post Office Address 5123 Indigo St., Houston, Texas 77096		

Docket No. XOM-CON1**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR BOREHOLE MEASUREMENT OF FORMATION PROPERTIES

the specification of which

(check one) ☒ is attached hereto;  
☐ was filed on \_\_\_\_\_ as  
Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_;  
(if applicable)

I have reviewed and do understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application;

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application; and

I acknowledge the duty to disclose information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a-d) of any foreign application(s) for patent or inventor's certificate or design registration listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			<u>Priority Claimed</u>	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>		
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of the claim of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to

Docket No. XOM-CON1

disclose information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which occurred between the filing date of the prior application and the filing date of this application:

09/686,735 (Application No.)	October 10, 2000 (Filing Date)	Abandoned (Status: Patented/Pending/Abandoned)
09/973,529 (Application No.)	October 9, 2001 (Filing Date)	Pending (Status: Patented/Pending/Abandoned)
(Application No.)	(Filing Date)	(Status: Patented/Pending/Abandoned)

As a named inventor, I hereby appoint the following attorneys/agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Charles E. Smith, Esq., Reg. No. 32,085, Marcy M. Hoefling, Esq., Reg. No. 33,955,  
 Gary P. Katz, Esq., Reg. No. 46,099, Gary D. Lawson, Esq., Reg. No. 27,696, J. Paul Plummer,  
 Esq., Reg. No. 40,775, Pamela L. Wilson, Esq., Reg. No. 32,865, Denise V. Wolfe, Esq., Reg.  
 No. 32,074, Eric C. Woglom, Esq., Reg. No. 25,445, Margaret A. Pierri, Esq., Reg. No. 30,709,  
 Jeffrey H. Ingberman, Esq., Reg. 31,069, Thomas J. Vetter, Esq., Reg. No. 30,597,  
 James P. Doyle, Esq., Reg. No. 41,717 and Edward M. Arons, Reg. No. 44,511

Send Correspondence to:

Eric C. Woglom  
 Fish & Neave  
 Customer No. 1473  
 1251 Avenue of the Americas  
 New York, New York 10020-1105

Direct telephone calls to:

Eric C. Woglom  
 (212) 596-9000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any design patent issuing thereon.

FIRST INVENTOR	Signature	
Full Name of Inventor Hans Thomann	Date	
Residence Bedminster, New Jersey	Citizenship U.S.A.	
Post Office Address 26 Gatehouse Road, Bedminster, New Jersey 07921		

SECOND INVENTOR	Signature <i>Charles Fred Pepper</i>	
Full Name of Inventor Charles Fred Pepper	Date <i>September 16, 2003</i>	
Residence Nashville, Tennessee	Citizenship U.S.A.	
Post Office Address 3912 Estes Road, Nashville, Tennessee 37215		

Docket No. XOM-CON1

THIRD INVENTOR	Signature	
Full Name of Inventor Stuart Ronald Keller	Date	
Residence Houston, Texas	Citizenship U.S.A.	
Post Office Address 5123 Indigo St., Houston, Texas 77096		

Docket No. XOM-CON1**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR BOREHOLE MEASUREMENT OF FORMATION PROPERTIES

the specification of which

(check one) ☒ is attached hereto;  
☐ was filed on \_\_\_\_\_ as  
Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_;  
(if applicable)

I have reviewed and do understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application;

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application; and

I acknowledge the duty to disclose information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a-d) of any foreign application(s) for patent or inventor's certificate or design registration listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**Prior Foreign Application(s)****Priority  
Claimed**

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

(Number) _____	(Country) _____	(Day/Month/Year Filed) _____
(Number) _____	(Country) _____	(Day/Month/Year Filed) _____
(Number) _____	(Country) _____	(Day/Month/Year Filed) _____

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of the claim of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to

Docket No. XOM-CON1

disclose information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which occurred between the filing date of the prior application and the filing date of this application:

<u>09/686,735</u> (Application No.)	<u>October 10, 2000</u> (Filing Date)	<u>Abandoned</u> (Status: Patented/Pending/Abandoned)
<u>09/973,529</u> (Application No.)	<u>October 9, 2001</u> (Filing Date)	<u>Pending</u> (Status: Patented/Pending/Abandoned)
<u>                    </u> (Application No.)	<u>                    </u> (Filing Date)	<u>                    </u> (Status: Patented/Pending/Abandoned)

As a named inventor, I hereby appoint the following attorneys/agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Charles E. Smith, Esq., Reg. No. 32,085, Marcy M. Hoefling, Esq., Reg. No. 33,955,  
Gary P. Katz, Esq., Reg. No. 46,099, Gary D. Lawson, Esq., Reg. No. 27,696, J. Paul Plummer,  
Esq., Reg. No. 40,775, Pamela L. Wilson, Esq., Reg. No. 32,865, Denise Y. Wolfs, Esq., Reg.  
No. 32,074, Eric C. Woglom, Esq., Reg. No. 25,445, Margaret A. Pierri, Esq., Reg. No. 30,709,  
Jeffrey H. Ingberman, Esq., Reg. 31,069, Thomas J. Vetter, Esq., Reg. No. 30,597,  
James P. Doyle, Esq., Reg. No. 41,717 and Edward M. Arons, Reg. No. 44,511

Send Correspondence to:

Eric C. Woglom  
Fish & Neave  
Customer No. 1473  
1251 Avenue of the Americas  
New York, New York 10020-1105

Direct telephone calls to:

Eric C. Woglom  
(212) 596-9000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any design patent issuing thereon.

FIRST INVENTOR	Signature	
Full Name of Inventor Hans Thomann	Date	
Residence Bedminster, New Jersey	Citizenship U.S.A.	
Post Office Address 26 Gatehouse Road, Bedminster, New Jersey 07921		

SECOND INVENTOR	Signature	
Full Name of Inventor Charles Fred Pepper	Date	
Residence Nashville, Tennessee	Citizenship U.S.A.	
Post Office Address 3912 Estes Road, Nashville, Tennessee 37215		

Docket No. XOM-CON1

THIRD INVENTOR	Signature	<i>Stuart Ronald Keller</i>
Full Name of Inventor Stuart Ronald Keller	Date	<i>September 16, 2003</i>
Residence Houston, Texas	Citizenship	U.S.A.
Post Office Address 5123 Indigo St., Houston, Texas 77096		